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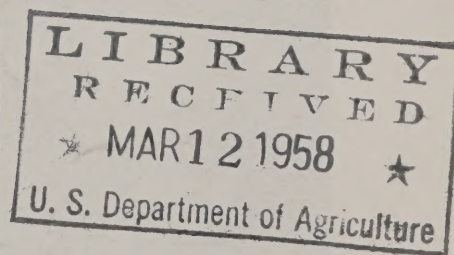
DESCRIPTIVE LIST No. 13

Cancels all our past publications

EPIPHYLLUM SPECIES

And Their Hybrids

AND OTHER FORMS OF EPIPHYTIC CACTI
AND THEIR CARE AND CULTURE



BEAHM GARDENS

GERTRUDE W. BEAHM SHERMAN E. BEAHM
2686 EAST PALOMA ST., PASADENA 8, CALIF.

Los Angeles to Sierra Madre busline

VISITORS WELCOME

CLOSED WEDNESDAYS AND THURSDAYS EXCEPT BY APPOINTMENT

EPIPHYLLUM — PHYLLOCACTUS — PHYLLOCEREUS

Flowering season—April, May and June

In order to eliminate any possible confusion arising from the use of the name "Orchid Cactus" for Epiphyllum hybrids, we offer the following explanations:

The name "Orchid Cactus" has only been in use for the past few years. It was started by a commercial dealer for its obvious "trade-pulling" power. This has caused and is causing endless trouble in the minds of the uninitiated since the EPIPHYLLUMS bear no relationship to the ORCHIDS beyond the fact that both have exquisite flowers and epiphytic traits.

SYMBOLS

Letters following plant names designate the originator:

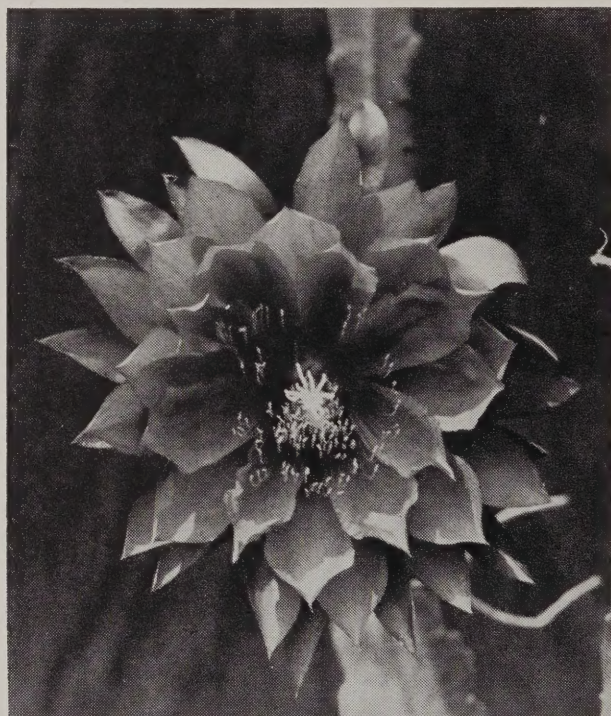
Bhm.=Beahm
Cldg.=Coolidge
Cp.=Cactus Pete
FOB—Fort & O'Barr
Kn.=Knebel
Mon.=Monmonier

RWP—Poindexter
Sh.=Sherfy
Std.=Stoddard
Stl.=Steele
Weg.=Wegener

sm.=small
med.=medium
lge.=large
R. C.=rooted cutting
C.=cutting



PRIDE OF CORONA
(Not released)



CINERAMA
(Not released)

Dear Customer:

Because many of you are just getting acquainted with the epiphyllum (epi-fill-um) I will devote the next few pages to describing the flowers so that you may understand them better. You will find that the small gem-like flowers will appeal to you in so many ways, nevertheless the very large 10-inch or more flowers are so spectacular as to hold you spellbound.

FLOWER SIZES

In stating FLOWER SIZES—large—medium—small—it is very easy to create a confused picture as to what is really meant, therefore we have set up this approximate scale for designating sizes of epiphyllum flowers the measure being the diameter of the flower when pressed wide open.

SMALL—will include flowers $2\frac{1}{2}$ to approximately 5 inches in diameter.

MEDIUM—would embrace flowers from $4\frac{1}{2}$ to $6\frac{1}{2}$ inches.

LARGE—indicates flowers an average bloom of which would measure 6 to 8 inches.

ALL HYBRIDS whose flowers average above 8 inches—some going to 10 or 11 inches—should be classed as **EXTRA LARGE** or **GIANT**.

You will note that these sizes are overlapping. Epiphyllum flowers can be expected to vary in size on a single plant just as there is a variation in sizes of fruit on one tree—so much depends on health of plant and ability to adapt to changing conditions, season of the year, fertilization and locale, and whether grown indoors or out. A single plant of Padre may have a medium size as well as a super-size flower during the same season. Our statement of sizes is based on the average run after a study of a number of flowers on the typical plant.

The expression **SHORT OVARY** and **TUBE** or **FLOWER STEM** simply means that this part of the flower will measure much shorter than the length of the longest sepal or petal.

For descriptions as to plants and plant care see pages at the back of this catalog.

THOUGHTS ON COLORS IN EPIPHYLLUMS

YELLOWS—this is another confusing point. Solid clear **YELLOW**S usually consist of light creams and other shades with yellow combinations. The unopened bud may be intensely yellow but the open flower will have only rich yellow touches. It must be remembered also that light exposure is a very important factor in intensifying the yellow tones. Buds flowering on the shady side of a plant will be often very much lighter than those buds facing the sun.

The evasive **BLUE**—(**TRUE BLUE**)—is still missing. What one sees in the heart of an epiphyllum is an iridescent sparkle as noted in electricity or a fuchsine or magenta-purple tone.

COLOR GROUPING poses another problem—no two people see colors alike—thus in our Group II and Group III it sometimes happens that an epiphyllum one might say belonged in Group II, another might insist belonged in Group III.

COLOR GROUPS

We have set up the following groups to help classify these flowers as to color. This is difficult because of the wide range of color combinations. Some flowers have more than one outstanding color. Nearly all of them contain a small amount of contrasting tint or shading of self-color and therefore might be

placed in more than one group. Distinction between tints and shades is a matter of personal understanding. Even the flowers themselves are of deeper tones at certain stages. We use the Horticultural Colour Chart issued by the British Colour Council (available at \$12.50) in describing our epiphyllums.

GROUP I

WHITES—**CREAMS**—**YELLOW**S—or their combinations.

GROUP II

Lightest soft tones of **PINK** or **Rose-Lavender**.

GROUP III

Deeper **PINK**S—**Lavender-Pink**—**Rose-Pink**.

GROUP IV

ORANGE—**AMBER**—**COPPER**—Autumn shades and combinations.

GROUP V

Any **RED** but as near one-toned as possible.

GROUP VI

REDS of all sorts but combined with various other colors.

GROUP VII

Sometimes colors are blended in such a way as to make description and classification difficult. These we are grouping here.

GROUP VIII

PURPLES and **ORCHIDS**. All tones from light to dark.

GROUP I—WHITE, CREAM, YELLOW, or their combinations

ALBINO Stl. Small to medium, pure white trumpet 16 sepals and petals, sepals pinkish tones. \$1.00

ALICE ROOSEVELT. Large many petaled white with rich yellow sepals. 75c

ANNA RETTIG. Cream-white with very rich yellow sepals. Large. 75c

ASTARTE FOB. Very large flower with yellow radiants on a white base. Few very outermost sepals maroon red. Wide opening with petal tips slightly cupped. Plant growth rather slender. Dr. Houghton x nat. \$1.50

BABY DOLL Bhm. Small flower, wide blunt petals, heavy rose-pink sepals. Short tube. \$1.50

BALLET RUSSE Cldg. Rather small pure white, canary yellow buds and sepals. \$1.00

BEN'S LAURA 1946. Very numerous chiffon-like petals distinctly pearly clear to throat. Flower very flat open to recurving, inner petals banked high. Growth glaucous, triangular. \$2.00

BLANCHE Stl. Wide open white with lemon-green sepals. Medium. 75c

BLANCO RWP. Giant flower. Very broad crinkled sepals and petals, outermost yellow. 75c

BRIDAL VEIL RWP. Giant pure white, broad crimped petals, soft texture. \$1.00

CHAMPAGNE Stl. Inner petals narrow and almost always yellow, at least heavily tipped. Forward trumpet. Sepals tanish yellow. \$1.50

CITRINE Stl. Large full petaled open cup. Lemon yellow to white center. \$1.00

EMERALD ISLE Bhm. 1949. Sepals yellow-green cast, petals and filaments distinct green-white. \$1.00

FIRST PLACE Stl. Pure white inner, yellowish outer. Medium. 75c

GRETNAL GREEN Bhm. 1950. Very large greenish-white with few smooth strap-like narrow semi-pointed sepals and petals. Flat opening with very short ovary and tube. Distinctive. \$2.00

HALO Stl. Giant yellow and white, broad petals, wide open cup. \$1.50

HELIANTHUS Stl. Very yellow-brown buds opening to many petaled yellow flower with cream-white center. Forward cup opening. Fine. \$1.50

ICED GLORY Bhm. 1950. Lively white with yellow-tipped back petals. Good size and texture. \$1.00

ICE CAP Bhm. White with China Rose sepals. Large. 75c

IVORY Stl. Creamy, wide pointed petals, outer lemony. 75c

KATY-DID Stl. Medium flower with splendid opening and carriage. Light primrose yellow outer. \$1.50

KINCHINJUNGA. Extremely dark waxy bud with 4 large triangular or wing-shaped back cover leaves. Opens white. Unique. 75c

LES SYLPHIDES FOB. A formal flower with yellow outer sepals and white inner. Fluted petals quite pointed. Medium size. Good texture. \$2.00

MADONNA Stl. Broad, well rounded wide opening petals, slightly ruffled. Sepals light canary yellow recurving. Exquisite. Early. \$1.00

MARINA SPECIAL RWP. A giant white flower, extremely broad ruffled inner petals, often tipped with bright yellow and backed by nearly orange sepals. \$2.00

MILKY WAY Stl. Medium sized late white flower with very rumpled inner petals. Sepals rose-tan and yellow. \$1.00

NATALIE Stl. Cream color, chartreuse sepals. Medium-large. 75c

PAUL DE LONGPRE. Rich yellow outer extending into the petals. Large. 75c

PINCUSHION FOB. A wide open white flower with yellow-orange back sepals. Inner petals narrow and troughed and shorter than sepals. \$1.50

POLAR BEAR Stl. Large white with light lemon tipped petals well separated. Sepals smooth, gracefully recurved, light yellow. \$1.00

PRES. F. D. ROOSEVELT Mon. White broad crepe-like petals. Large. 75c

REGINA DEL CHIARO Stl. Large white

with lemon yellow pointed sepals. Innermost petals wide opening, glistening white with crimped tips. A very beautiful flower and a good keeper. \$2.00

SHASTA Stl. Large white with narrow twisted and curled sepals and petals. \$1.00

STAR DUST Stl. Narrow petaled white with yellow. Basket. 75c

THEME SONG Bhm. Lively touches of yellow on a large cream-white flower. \$1.00

VANESSA Bhm. A white flower tipped with yellow and backed with narrower long amber-brown and yellow sepals. Sepals and petals not ruffled. \$1.00

VELA Stl. Large silvery white, pointed petals. 75c

WHITE BEAHM. Giant white with yellow sepals and broad petals with folded tips. Good texture. Suitable for pedestal. 75c

WHITE FLAME Bhm. Broad, wavy, crimped rose-tan sepals and pure white petals. Wide open. \$1.50

WILLIAM ROHBOCK Mon. Glistening white, compact, semi-flat. Lovely. 75c

WINTER MOON Sh. Not large but excellent form and interesting delft rose tube and yellow sepals—white saucer. Clean light-green plant growth. \$1.00

YELLOW JACKET RWP. A very large

creamy-white bold flower. Heavy textured petals with crimped tips. Very long firm extended sepals, deep amber to yellow. \$1.50

YELLOW VIOLET Kado. Extremely yellow outermost sepals. Inner petals white. Framed with waxy long scales. Unique. \$1.50

YREKA Bhm. (Y-reka). Numerous sepals and petals all heavy with yellow or rich cream. \$2.00

50c each

Anguliger—species, saw-toothed.

Cooperi—giant, exquisite scent.

Crenatum—species.

Easter Morn—many crimped petals.

Eden—much yellow, large.

Frau Poldi Cvetnic—large.

Gardenia—giant white.

Guatemalensis—species, night.

Londonii—creamy-white.

Magnolia—cup-shaped, broad white petals.

Moonrise—white and yellow.

Mt. Hood—white and yellow.

Mt. Rainier—white and lemon-yellow.

Oriole—rich creamy yellow.

Otto Schmidt—white and lemon, large.

Oxypetalum—species, night. Giant, fragrant.

Snow-Cap—pure white, medium.

Stenopetalum—species, night. Large.

Strictum—species, night. Rose pistil.

Young Nun—giant.



GOLDEN GLEAM



PINK NYMPH

GROUP II—Lightest Soft Tones of PINK or Rose Lavender

ARIA FOB. Mostly Rhodamine pink with much white at center backed with rose-red sepals. Very short ovary-tube on a medium sized flower. Many sepals and petals. Blooms throughout the year. A second generation cross. \$1.50

BELLA DONNA Stl. Hybrid of Bella x Adonis. Pink with star eye. Large. 75c

BONNIE BRAE Stl. Light lavender-pink flowers in two shades deepening second day. Petals wide open, very crimped. Sepals very broad, reflexed. \$1.50

CINDY Stl. Charming lavender-pink in three shades. Sepals slightly darker and reflexed. Narrow well parted forward petals. \$1.00

CLARABELLA Stl. Crisp flower. Medium sized, even shade of rose-pink. Full petaled. \$1.00

ELEKTRA Kn. Delicate carnation pink with darker mid-stripe. 75c

ENSEMBLE Stl. Flesh pink darkening to a carnation pink. Rose eye with a hint of cerise. Easy to flower. \$1.00

FAIRYLAND. Delicate lavender-pink, medium. Basket. 75c

FAIRY QUEEN Stl. One of the most delicate pinks. Nearly white center deepening at petal tips. A rare combination. Limited. \$2.00

FLOWER SONG Bhm. Small flower with a pink stripe over white, second day Solferino purple. Full petaled forward open cup. Frequent and heavy bloomer. Short ovary-tube. \$1.50

FORTUNA Stl. Lavender-pink with cerise eye. Large. 75c

KAISERIN IMPORT. One-toned pale pink flower, larger than the Deutsche Kaiserin. Plant growth is broad and not subject to leaf spot. Basket. \$1.00

LILA SOLFERINO. Tan over rose-pink. Large, scented. 75c

MISS MUFFET Bhm. 1950. Kaiserin-Hans Rehm hybrid. Small to medium, good corsage and excellent foliage. Nearly one-toned light rose-pink, very narrow sepals and petals. Basket. \$1.50

NORMANDIE Stl. Suffused Rhodamine pink. Broad, blunt petals. \$1.50
nearly white flower with rose pink outer. Formal arrangement. Harmony x nat. \$2.00

PASTELLO Stl. Greenish-pink sepals with inner petals delicate shell-pink to almost white center. Exquisite. Limited. \$1.50

PINK GLORIA Stl. Pale Spinel pink, giant. Frail texture. 75c

PINK LIGHTNING Cldg. A swirl of twisted Phlox-pink petals. Charming. Limited. \$2.00

POGO Sh. Small one-toned pink, narrow waxy sepals and petals. \$1.00

POPPY Sh. A goblet shaped mottled Dawn Pink, slightly ruffled petals. Very compact small flower. \$1.00

PULFORD'S GIANT TRUMPET Bhm. Delicate China pink. Flaring trumpet. 75c

SCHOOL GIRL Bhm. Light orchid pink with slightly deeper eye. Some wavy edged petals and recurving sepals. Medium-large. \$1.00

SEPTEMBER MORN Stl. Shrimp-pink



CARNATION

with bright pencil edge of fuchsine pink on numerous inner petals. Definite cup-shape. Medium size. 75c

SPRINGTIME Stl. Soft pink with flecks of lavender but no eye. Broad petals. Scented. \$1.00

SWEET BRIAR Stl. Loose open cup medium size flower. Broad inner petals of delicate pink. Brownish-pink sepals. \$1.00

WALKURE Kn. #315. Various shades of camellia rose, sepals darker than petals. Ball-shaped flower. Varying sizes and lighter color of inner petals lend a distinct charm. \$1.00

WELCOME Stl. Lovely pale rose-pink overcast with delicate lavender, slightly deeper eye. Ruffled edge. Scented. \$1.00

ZOE Stl. Unusual shade of light begonia-pink, full petaled, large. \$1.00

50c each

Adonis—delicate lilac-pink.

Antwerpia—giant salmony-pink, ruffled.

Argus—apricot pink, rose eye.

Bohemienne—3 shades of rose.

Charm—soft pink, white center stripe.

Couranti—pale salmon-pink over tan.

Deliciosa—soft pink, medium.

Deutsche Kaiserin—also called Empress, German Empress, Giant Empress. Flowers like dainty small rosebuds. Basket.

Lady Irene—soft pink, fragrant.

Marie Van Hoorde—two-toned rose, medium.

Martha Knebel—salmon pink, rose eye.

Padre—lavender pink, large.

Roseus Superbus—medium-large rose-pink.

GROUP III—Deeper PINKS, Lavender-Pink, Rose-Pink

ALICE SERGEANT CP. Wreath of darker sepals place this in Group III though trumpet shaped petals of pale salmon-pink would indicate Group II. \$1.50

BAGDAD Stl. Giant old rose, extremely flaring bell-shaped. 75c

CARNATION Stl. A lovely shade of carnation-pink, rose eye. Broad overlapping sepals and petals. Erect heavy grower. \$1.50

CELESTINE Stl. Lilac pink with a deeper rose edge—not a band. \$1.00

CLASSIC FOB. Almost one shade of Tyrian rose. Medium-sized sturdy flower, full petaled and a definite winter bloomer. Short ovary-tube. A second generation hybrid. Semi-broad, thick and sturdy plant growth. \$1.50

DAY IN SPRING RWP. One-toned giant old rose. Marbled effect, many petals. 75c

DOLL DANCE Bhm. One-toned French rose. Free flowering. Medium-large. \$1.50

DUCHESS OF WINDSOR Bhm. Well rounded heavy thick petals. Even tone of orchid-pink with rose eye. Broad orange-pink sepals. 75c

DUKE OF WINDSOR Bhm. Very soft tones of Camellia Rose with deeper center stripe. Curly outer petals of brownish pink. \$2.00

EMPIRE ROSE Bhm. A rose pink many petaled flower deepening second day to Delft rose. Sepals and petals are various lengths, broad and rounded to a point. Very large wide open. \$1.50

GRACE MARIE Bhm. 1949. Full petaled delicate true pink. Numerous sepals of a distinctly different color. Flower very large, fragrant, style and size of COOPERI of which it is a hybrid. \$2.00

HOLLYDALE Bhm. 1951. One-toned rose-pink, extremely firm textured, truncated overlapping sepals and petals giving it a stemmed glass appearance. \$1.50

JOYCE Bhm. Deep lavender-pink, good texture. Small. Basket. 75c

LADY EDNA Stl. Giant wide open flower with broad well rounded petals. Slight spoon at petal tips. One-toned lilac-pink. \$1.00

LILA Stl. Very crimped broad blunt petals hooked at tips. Petals have measured up to two inches wide. Deep lilac-pink with no eye. Crepe texture. 75c

MAXWELLTON Bhm. 1950. Rich coral color with white at base of petals. Many well parted petals and sepals. Medium sized. \$1.00

MISS MARGARET TRUMAN Bhm. Petals apricot-pink with medium eye. Open trumpet. Sepals reflexed, deeper petal-color. Excellent carriage. \$1.50

MRS. BESS TRUMAN Bhm. Good deep phlox pink deepening to fuchsine pink. Heavy textured, open trumpet. Broad, rounded sepals and petals. \$1.50

NAIAD FOB. One shade of silvery pink with slightly darker sepals. Small full petaled flower with satiny texture. Plant growth mostly 3-angled, tall and some spine. Prof. Ebert x nat. \$1.50

ORCHID BEAUTY. Beautiful orchid-pink, deep tan-pink sepals, wide open but not flat. 75c

PARADISE QUEEN Bhm. One-toned fuchsine pink flower overlaid with electric blue. Sepals broad darker color. Cross of Cooperii and Paradise. \$1.50

PEACHY RWP. Giant porcelain rose with Chinese coral center stripe, numerous petals, short ovary-tube. \$1.00

PINK BALLET Sh. One-toned lilac-pink of excellent texture and keeping qualities. Medium. \$1.00

PRINCESS PAT Bhm. Full petaled coral-pink with good texture. 75c

ROSALIE Stl. One-toned deep rose, broad well rounded petals. Firm texture. \$1.00

ROSE BLUSH Stl. Old rose with a bluish cast and tan center stripe. Broad blunt sepals and petals. No eye. Difficult to describe but fine. \$1.00

ROSE TOURNEY Bhm. Camellia rose pink with white petal base. Sepals narrow flaring out at all angles. Petals numerous, wide open, loose. \$1.50

SATURDAY NIGHT RWP. Very narrow-petaled large pink of a soft rose shade. Loose formation. Plant growth broad, 1- to 5-angles. \$1.00

SHOW GIRL Bhm. 1951. Large showy one-toned pink. Broad petals with ruffled tips. Good texture. \$1.50

SWEET SONG FOB. A very large compact deep pink. Wide semi-pointed petals a little lighter than longer semi-pointed sepals. \$2.00

UTOPIA FOB. All deep pink flower, very wide sepals and petals, ruffled and blistered. \$2.00

WANDERLUST FOB. Very full petaled dark pink with small cherry throat. Three overlapping tiers of petals. A compact flower. All sepals and petals have ruffled edges. \$2.00

50c each

Agatha—soft pink with rose eye.

Euphrosine—rose pink, full cup.

Lohengrin—large lilac-pink.

Majesty—many petals, wide open.

Mauvette—all season, large.

Mexicanus—watermelon-pink, rose pistil.

Pink Nymph—dark rose, full cup.

Pink Pearl—two-toned, fine.

Rosetta—rich rose, basket.

Scheherazade—light to dark magenta.



SHOW GIRL

GROUP IV—ORANGE, AMBER, COPPER and Autumn Shades and combinations

ANITA FARREN Sh. Extremely long narrow sepals and petals. Yellow and orange with wide edge of fuchsine pink. Short ovary and tube. \$1.50

AUORE BOREALE. Giant orange-red with brilliant eye, broad petals. 75c

BRUIN Stl. Dutch vermilion edged in violet. Many good textured petals. Large. 75c

CALIFORNIA BEAUTY Kado. A giant many petaled burnt-orange flower with large lustrous purple eye. Some red veining. Sepals recurved; scales deep purple. Limited. \$3.00

CASSANDRA Mon. Wide open, buff-orange with a deep orange eye. Sepals and petals well parted and narrow. A dainty flower. \$1.00

CHRISSY RWP. Numerous narrow petals, sharply pointed and well parted. Burnt-orange, very large. \$1.00

COUNTESS ESTELLE DOHENY Kado. Many narrow curling sepals, bronzy-red. Narrow petals, flaring trumpet. Glowing violet eye. \$1.50

COURAGE FOB. Full petaled orange flower with brownish-orange edge. Sepals and petals are well rounded and silky with a medium eye of fuchsine pink. Plant growth flat, wide, brown edged. Volunteer. \$1.50

CUP OF GOLD Stl. Golden orange sepals and petals with light rose edge turning to near lavender at throat. Large flower—mid-season. \$1.00

DENIS KUCERA Cldg. Huge flower opening rather flat. Orange outer petals; inner petals with deep border of bright violet. \$1.50

DR. VON ROEDER Kn. Very broad petals, wide open bright orange, slight ruffle, heavy texture. Large. 75c

FIRE GOD Kado. Fiery orange-red, very glossy petals. Large. 75c

FLAMENCO Cldg. Large flower with pointed orange petals heavily edged in violet. Opens very flat. The short ovary-tube and wide spreading sepals make this distinctive. \$1.00



CELESTINE

GOLDEN DREAM FOB. Bright gold with deeper veining, shading to maroon base. Outer petals narrow and flaring, reddish bronze. A giant wide open flower. Plant growth flat, wide and dark bronze. Volunteer. \$2.00

GOLDEN EMBLEM Bhm. Very late. Many golden petals and large deep lavender eye. Stamens fluffy and form a graceful circle of light lavender. A Montezuma cross. Large. \$1.50

GOLDEN GLEAM Stl. Bright orange, hint of cerise at petal base. Graceful. \$1.00

GO LONG RWP. Orange marbled with carrot red. Large wide open saucer shaped. \$1.00

GRAND MASTER Bhm. Very large deep orange or Dutch vermilion with small fuchsia eye. Numerous long narrow sepals with many shorter broad petals. \$3.00

HIAWATHA Bhm. Deep orange with narrow back sepals and slight fuchsia edge at base of petals. 30 to 35 sepals and petals. Long stigma lobes. \$2.00

ISLE OF CAPRI. An all over poppy red flower with a gold wash. Sepals and petals rounded to a point, broad and smooth. Satiny texture. A wide open flower with shorter self color sepals on a sturdy short ovary-tube. A trim neatly formed flower. \$1.50

JOAN MARIE Bhm. Very large nearly flat, burnt-orange with rose sheen. Some phlox-pink edge at petal base—very graceful. \$3.00

KADOLIA Bhm. Orchid edge on copper-colored petals. Sepals old rose over orange. Bronze growth. \$1.00

KARL GIELSDORF Kn. Light orange with some claret-rose edge. Slender very pointed bud. Firm texture. Large. 75c

LA COMPANA RWP. One-toned rich Indian orange, extremely large, heavy texture. Sepals and petals well rounded to a slight spoon. \$1.50

LA JOLLA Bhm. Unusual bright orange flower, cinnabarinus x Harmony. Flower wide open but slight fluting or ruffle on petals. Plant growth broad, strong, somewhat spiny. \$1.00

LEONOTIS Bhm. Many extremely narrow sepals and petals; nearly one-toned burnt-orange with cerise edge at base of petals. \$1.00

LODESTAR Bhm. Very large glistening orange petals in five ranks, with outward curving tips. Innermost petals edged in fuchsia. \$2.00

MADAME QUEEN Stl. Deep burnt-orange color entire, trumpet-shaped. Large. 75c

MISS BEVERLY Bhm. Broad blunt orange petals penciled in fuchsia. Small flower. Rosetta cross. \$1.50

MISS SANTA MONICA Kado. Coppery orange sepals and petals with slight edge of fuchsia. Petals folded to appear pointed. \$1.00

ORANGE NYMPH Bhm. Medium flower, firm, large, wide petals—ruffled edge. An orange toned Pink Nymph. Fine. \$1.00

PARACUTIN Bhm. Very full petaled deep orange, inner petals shaded with rose-glow. \$1.50

PARTY RWP. Forward open trumpet of

Marigold orange with rose Bengal eye. Sepals and petals well rounded. Flower large. \$1.00

PIMIENTO Bhm. Deep orange red, full petaled cup and saucer. Tulip x Spinulosa. Narrow to medium flat plant growth. \$1.50

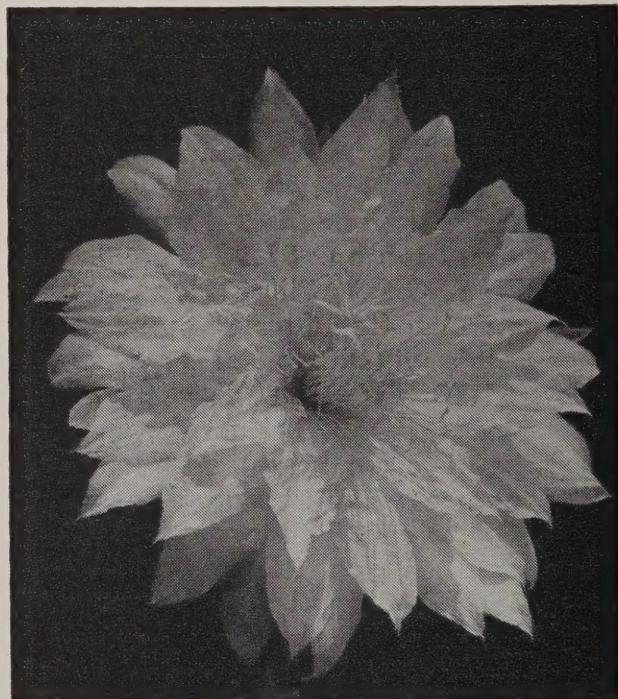
PRINCE OF ORANGE Bhm. One-toned orange with slight hint of cerise on lower inner petals. Broad sepals and petals, wide open trumpet. Firm texture. \$2.00

PYGMALION Bhm. Narrow orange sepals with lighter orange petals edged in soft magenta. Forward trumpet. Cooperii type ovary-tube. Heavy caned plant growth edged in brown. Cooperii x opuntia. \$1.00

ROMANCE Mon. Orange with a golden sheen and darker eye. Short ovary-tube. Large. 75c

R. W. POINDEXTER Kn. Terra-cotta salmon tinged with violet on lower half. Very large, wide open. 75c

SAN BERNARDINO Stl. Very large broad-petaled orange with edges of rose-opal. Petals wide-spreading, pointed, with slight ruffle. Late. \$1.00



BENS LAURA

SEQUOIA Stl. Giant orange flower with deep bright orange sepals and golden-orange petals with bright lavender edge. About 35 sepals and petals. \$1.50

SOUTHLAND Kado. Large true orange overcast with pink. Often 40 petals. Bright violet eye. Outstanding. Medium to late. \$2.00

STERN VON ERLAU Kn. Sparkling orange-red flower, petals bordered in purple. Very compact. Large. 75c

SUNLAND Bhm. Large formal bright orange with lighter back sepals and small red eye. Broad sepals and petals. Filaments self color to red. \$3.00

SUSQUEHANNA Bhm. Very large glistening multicolored flower basically orange. Petals edged in Rhodamine purple. Rolled spike-shaped sepals deeper colored than petals. \$1.50

TIFFANY Mon. Shrimp-red deepening to bronze with some fuchsia edge. Short flower stem. Large. 75c

TITIAN Stl. Long narrow pointed petals—wheel effect. One tone—clean dark orange. \$1.00



CALIFORNIA BEAUTY

TOPSY-TURVY Stl. Few narrow petals which form a wheel. Orange center stripe, wide lavender edge. Fluffy stamens. Large. \$1.00

TROCADERO Bhm. Giant sparkling deep burnt-orange with magenta tinge. Many firm broad sepals and petals. \$1.50

50c each

Amber Queen—giant amber and red.

Betty Lou—few petaled solid orange.

Camillo Schneider—large orange-red.

Curt Backeberg—orange-yellow and red.

Dante—multi-colored orange.

Desert Sunrise—orange, fuchsia glow.

Ernst Seyderhelm—giant salmon-orange.

Fiesta—multicolored.

Flamingo—orange, cerise edge.

Flor del Sol—reddish orange.

Gloria—salmon-orange.

Margaret Ward—large rich orange.

Moncherie—orange, red striped.

Montezuma—tan over orange, silky.

Sunburst—fine, orange with red eye.

Sun Goddess—golden orange, cerise eye.

Tr. des Anthieux—orange cup, red eye.

Valencia—rich solid orange, medium.



LOHENGRIN

GROUP V—Any RED but as near ONE-TONED as possible

BACCHUS FOB. Wide open cup, all red with broad round needle-tipped petals. Sepals long, narrow, troughed and spiky. \$1.50

BANNER RED Stl. Bright dark red with frilled petals. Very wide opening and large. A good keeper. Lavender stigma lobes. 75c

CARDINAL Stl. Bright metallic Cardinal red entire. Buds very pointed and tip downward. Medium-large. 75c

COMMAND FOB. Full cup, chalice-like inner. Outer sepals some flaring, all sepals and petals wide, heavy satiny texture—all good deep red. Very fine. \$2.00

DARDANELLA Mon. Blood red, opens wide with rounded petals. Medium. Basket. 75c

EL INDIO. Wide open tomato red with darker eye. Very large. 75c

ETHIOPIA FOB. Flower is a deep crimson with light orange base and petals tipped in violet. Inner petals wide with irregular edges. All highly lacquered. Short upright thick plant growth. Volunteer. \$2.00

FLAMBEAU Mon. All over orange-vermilion, loose formation. Medium. 75c

FLAMING COMET Cldg. A very showy bright red basket type. Wide open, broad petals. \$2.00

GREEK GOD FOB. Very large all red, satiny texture. Inner petals rounded to a point, fold back about half way. Sepals longer. Pistil long, self color. Wide open but not flat. \$2.00

HAWAIIAN MOON FOB. Medium dark red, loose open cup. Very slight orange at base of petals. \$2.00

HOLIDAY RWP. One-toned large beautiful saucer-shaped scarlet red flower. Pointed sepals and petals, very short flower stem. Large. \$1.00

IMP RWP. Medium forward trumpet flower of an even currant red. Plant, bushy and strong. 75c

JERICHO Bhm. Late flowering, clear red. Long narrow outer sepals gracefully

frame the inner cup. Medium to large. Good keeping qualities. \$1.00

JOEL Bhm. Deep red, wide open, medium-large ball-shaped flower. Petals slight spoon. All filaments light self. Sherman E. Beahm x Pride of Bell. \$1.50

JULES SCHLUMBERGER. Large flower. Narrow pointed blood red sepals break away and turn back early. Petals forward narrow, smooth, very rich bluish-red. Flower stands alone in color and style. 75c

JUNE KELLY Mon. Airy medium dark red waxy flower. 75c



CHAUNCEY

KISMET Bhm. Good sized tomato red Empress—typical basket plant. \$1.00

MISSION BELL FOB. Full petaled blood red flower. Sepals and petals broad, rounded smooth except a few inner have magenta ruffled edge at base. Short ovary-tube. \$2.00

OTTO SIEPKE Kn. #220. One-toned true red, compact, trumpet and saucer-shaped. Medium sized. \$1.00

POINSETTIA. Very wide open clear red, short flower stem. Distinctive flat wavy plant growth. Basket. 75c

PRIDE AND JOY FOB. Good red, petals and sepals well parted. Sepals longer than semi-pointed petals. \$2.00

PRINCE OF ROMANY FOB. Blood red edged in Tyrian purple. Very short ovary-tube. Wide open to nearly flat inner petals. Outermost petals shorter. Bo-Peep x Prince Charming. \$2.00

ROBERT E. BAILES FOB. Very lovely combination of deep scarlet and violet tints. Large double flower, wide opening with back curling narrow petals. Jorg Siepke x nat. \$3.00

RUGOSA Mon. A rich vermilion red with numerous very broad sepals and

petals, sometimes ruffled. A king among the reds. 75c

TORCHLIGHT Bhm. Mandarin red, cinnabarinus hybrid, similar to Rosetta in form. Small to medium. \$1.00

TULIP Stl. Very splendid solid red, tulip shaped with extremely broad sepals and petals which are further enhanced by the bright red pistil and lovely deep purple stigma lobes. 50c

TYPHOON FOB. Irregularly formed flower with sepals of currant red and petals of deep red with hint of orange and some violet. Petals are narrow and folded to a point. Slender, brownish, flat plant growth. Volunteer. \$2.00

URAHNE Kn. Many petaled Saturn red, tapering point, wide open forward. Small and graceful. 75c

50c each

Ackermannii Hybrid—easy flowering, medium.

Erebus—Cinnabar-red, large, late.

Red Kaiserin—Delft rose, medium, basket.

Scarlet Giant—broad petals.

Vive Rouge—medium-large.

Viviana—wine-red.

GROUP VI—REDS of all sorts but combined with various colors

ALTA SCOTT. Deep red center line shading through vibrant purple to light edge. A very refreshing flower. \$1.00

ARISTOCRAT Mon. Rich deep red shading lighter towards center, touch of violet on wavy edges. 75c

ATLAS Stl. Large dark red with long narrow sepals and petals. Opens wide showing a suffused magenta center. \$1.00

BANDANA Stl. Wide open deep currant red overcast with vibrant lilac blue. \$1.00

BEAUTIE WEGENER Kn. Fiery orange-red with purple edge. Medium size. 75c

BERTHA TALBOT LOOSE Bhm. Large cherry red flower, rich peony purple on inner petals not quite to tips. Sepals and petals of nearly equal length. Slender long stigma lobes. \$2.00

BETSY ROSS Stl. Purple border on a narrow red center stripe. Petals round and slightly spooned. Large. 75c

BLAZING STAR Stl. Broad pointed sepals and petals. Flame colored with 5-pointed magenta eye. Large wide open flower. Short ovary-tube. \$2.00

CABOCHON Cldg. A double decker in violet with cherry sepals. As many as 50 narrow sepals and petals. Late season. \$1.00

CARTWHEEL Stl. Narrow pointed petals. Shiny red center stripe with strong lavender edge. Erect long orange pistil. Very flat open. Basket. \$1.00

CATTLEYA Kn. Entrancing red-purple with glossy finish. Medium size. 75c

CEKA Kn. Many narrow red sepals. Petals red-lined blended with deep fuchsia. Late, good keeper. 75c

DECLARATION FOB. All red excepting slight edge of purple on petals. Petals and sepals well rounded. Stamens self colored. Very wide open. \$2.00

DELUXE FOB. Narrow dark red pointed sepals. Petals broad, rounded, completely edged in Tyrian purple with red mid-stripe. Wide open but not flat. \$2.00

DOLORES RWP. Extremely wide petals up to 1¾" of Tyrian purple with dark red center stripe. Petals slightly spooned with wavy edges. Giant. \$2.00

EDAH CP. Currant red edged in Rhodamine purple, sepals and petals extremely wide, innermost well ruffled. Saucer shaped. \$1.50

EDNA STODDARD Std. Large red flower, petals banded in Rhodamine purple edged in white. Sepals and petals very broad, heavy and spreading. \$2.00

EL MONTE Stl. Loose ball-shaped. Dark orange-red with a purple edge shading to white. Petals blunt with deep spoon. Stunning. \$1.00

FANFARE Cldg. Firm lacquered Turkey red flower with purple throat. Sepals pointed and twisty. Petals forward, well parted. \$1.50

FRAU LIBERTA KNEBEL Kn. Blood red sepals with lilac-carmine petals. Unusual shape. 75c

FRIEDRICH WERNER BEUL Kn. Beautiful large wheel-shaped flower. Dark carmine sepals. Lavender to white edge all around petals. 75c

FRIENDSHIP FOB. Light red with lavender glow overall. Sepals rounded, petals broad rounded, innermost have folded tips. Wide open. \$2.00

FRUHLING (Spring) Kn. Cross of phyllocactus and Chia. Nelsonii. 13 sepals and petals, red with fuchsia edge. Chiapas type but twice as large. \$1.00

GALLANT KNIGHT Bhm. Blood red flower edged with fuchsia on inner petals. A bold large flower with broad sepals and petals pinched to a tip. \$2.00

GERMANIA Kn. Many overlapping dark red petals edged in purple, orange middle stripe. Heavy textured and crimp. 75c

HALLELUJAH Cldg. Very large broad petaled cherry-red, violet edged. Espalier type plant. \$1.00

HEART BEAT Bhm. Broad deep red petals with a rich cerise eye backed by narrow red sepals. Filaments white. Very fine, wide open flower. \$2.00

HEART'S DESIRE Bhm. 1950. Long narrow sepals with shorter broad inner petals. Scarlet red with slight purple edge. Heavy ruffle at petal tips. Sepals and petals well parted. Short ovary-tube. \$1.00

INDOXOL RWP. Dark fuchsia purple edge nearly to tips of red petals. Sepals dark red with lighter center stripe much narrower than petals. Large. \$2.00

INFERNO Stl. Lacquered. Dark burnt-orange with center petal edges shaded with magenta. Heavy textured. Buds are almost black. \$2.00

JUNGLE MOON FOB. Forward ball-shaped red flower with deep violet throat. Some feathering on petals and few long sepals. \$2.50

KATRINKA Bhm. 1946. Very dark blood red with purple overtones. Heavy firm texture. Small flower, good keeper. \$1.00

LUMINOSA Mon. Numerous sepals and petals in 3 rows, cherry red. Short inner petals. Luminous flower. Large. 75c

LUSTROSA Mon. Deep red to purple edge, purple luster over all. All petals flaring. Medium-large. 75c

LYDIA Bhm. Smooth petals of signal red with a glow of Tyrian purple. Giant, all season bloomer. 75c

MADNESS FOB. Very large and very dark flower, a blend of purple and red. Narrow petals have feathered edges and stand apart. Wide open. \$2.00

MIKADO Stl. Large flower broad blood red sepals and petals bordered in Roseine purple. Open cup, some ruffle. \$1.00

MISS NANCY BELL Bhm. Numerous petaled small dark red flower with purple overcast. Firm texture, very fine. A Kaiserin hybrid. Basket. \$1.50

MOJAVE Stl. Dark blood red bud opening to a large flower with broad sepals

and petals. Inner petals ruffled, orange-red center stripe bordered with wide band of lavender. \$1.50

MORNING GLORY Sh. Basically a red flower with wide band of Rhodamine purple on numerous petals. Forward wide open. \$1.50

PAJARO FOB. Medium violet with darker veinings. A 6-inch flower with narrow recurving violet outer petals with orange mid-stripe. Plant growth mostly triangular and narrow. \$1.50

PAULA KNEBEL Kn. Dark Amaranth red outer with violet-carmine, lighter edged inner petals. 75c

PEGASUS Cldg. Giant flower with very broad sepals and petals, red center stripe surrounded by purple, lightening towards edge. Texture smooth and silky. Very outstanding. \$2.00

PHYLLANTHOIDES GRANDIFLORA. Very large. Blended orange-red, purple and violet. 50c

POTALA FOB. Medium-large flower. Sepals very red with irregular purple markings. Firm textured with few well rounded overlapping sepals and petals. Husky short ovary-tube. Harmony x nat. \$1.50

PRIDE OF SAN GABRIEL Fields. Wide center stripe of red over deep purple lightening towards edge. Many sepals and petals form a compact wide open flower, some ruffle. Exquisite. Excellent flower of deep blended tones. \$2.50

PRINCE CHARMING Mon. Superb deep blood red, broad petals, innermost shorter edged in deep violet. Large. 75c

PURPLE DELIGHT RWP. Red with violet-purple inner petals. Large. 75c

RANGOON RWP. A dark Cardinal red

to purple variety. Wide open cup with back curling sepals. \$1.50

ROYAL ANN Bhm. Sepals light cherry-red, petals tan-pink center stripe edged in light lilac. Forward cup. Large. \$2.00

SANDALWOOD Cldg. Vermilion to fire red with frilled inner petals. \$1.50

SCOTT E. HASELTON Kn. Not large but excellent in all ways. Cherry red with inner petals blending to a magenta edge. \$1.00

SEÑORITA Stl. Broad blood red inner petals partly bordered in purple, slightest frill. Sepals petal-colored. Very large. \$1.50

SHERFY'S GLORY Sh. Long pointed sepals and petals mostly fuchsia purple with red. Forward open. \$2.00

SLEEPY HOLLOW Stl. Giant currant-red, narrow petaled. Prominent dark purple border clear to tips. Very wide open though not flat. \$1.00

TARANTULA Stl. Unusual long narrow rolled spiky sepals. Center petals much shorter, flaring bell. Orange-red center stripe bordered with cardinal red; lavender-purple on inner petals. \$2.00

THORINNE Mon. Very large full petaled wide open funnel-shaped. Red outer with fuchsine purple petals lightening towards the edge. Very late. \$1.00

THUNDER CLOUD RWP. Darkest of reds giving impression of purple. Broad center petals. \$1.00

TIPPERARY Mon. Tannish-red with Germanium Lake edge. Large. 75c

VIOLETTA Mon. Garnet red, violet center with lighter edge. 75c

VERONICA Bhm. Saucer shaped flower of currant red and deep purple with almost white edge, many petaled. \$1.50

50c each

Conway Giant—rich purple-red.

F. Boedecker—red and violet.

Hans Rehm—shiny red-orange.

Hermosissimus—old favorite.

Imperator—reddish purple.

Kermesinus Magnus—fine, large.

Loyola—orange-purple, large.

Marseillaise—three-toned.

Mons. Reviere—large.

Peacocki—violet-cerise.

Wm. de Laet—medium, basket.

GROUP VII—Sometimes COLORS are BLENDED in such a way as to make description and classification difficult. These we are grouping here.

AJAX Sh. Wide open flower with slightly troughed pointed sepals and petals of Geranium Lake (a shade of red) edged in Rhodamine purple. \$1.50

AL SHUKH FOB. Giant flower with very broad sepals and petals of violet blending to light mauve edge—some petals nearly solid violet. Petals overlap to form a cup. Flat, medium wide plant growth. Harmony x nat. \$2.00

AMOUR Mon. Peach color with red eye and darker center stripe. Broad semi-pointed petals—wide open. Large. 75c

AZTEC Stl. (Formerly Apache). Multi-colored flower of orange, purple and red. Narrow pointed petals of assorted lengths having a deep band of purple. \$1.50

BEAUTIBLEND FOB. A medium sized formal flower with 3 rows of sepals and petals. Petals are pink with a deeper stripe. Sepals are orange-pink, longer and stand out—all narrow and pointed. \$1.50

BELLE BRIGGS Daly. China rose sepals with Rhodamine pink petals. Both sepals and petals are loose, wide open, sepals turn back. Large. \$2.00

DESERT HAZE Bhm. French rose petals in a light shade backed with bronze over pink sepals. Full petaled, wide opening large flower. An appealingly new light pink. Fragrant. \$3.00

DEVOTION FOB. Extremely large flower with twisty red back petals. Pointed, smooth inner petals of phlox pink. Plant growth triangular, light green and slightly thorny. Prof. Ebert x nat. \$2.00

DREAMLAND Bhm. Large broad pinkish-orange petals with claret rose edge blending to a rose red eye. Darker flaring sepals. Large scales on tube. Sherman E. Beahm x Pride of Bell. \$1.50

DUTCH GIRL Bhm. An all over Delft rose in various tones with light orange-red center stripe. Sepals and petals numerous, well parted, forward wide open.

Sherman E. Beahm x Pride of Bell. \$1.50

FAME FOB. A rather unique flower, inner petals few in number but very broad with folded tips and white edge in a narrow funnel cup formation. Sepals dark red. \$2.00

FASAN. Orange petals bordered with light lavender almost to tip. Backed with deep red and amber sepals. Giant. 75c

FEDALA Bhm. Well rounded broad sepals of deep orange-red. Petals very wide, smooth, broad, heavy texture. Slight trace of lilac at base. \$1.00

FLORADORA Bhm. Vermilion, many rounded sepals and petals, inner blended fuchsia pink to almost white. \$2.00

FRIEND SHERFY Wms. Dark brown-orange, slight purple edge at base. Slightly ruffled broad petals. Medium size. Tube purple-red. \$1.00

GOLDIE Daly. Also known as Mrs. Goldie Fields. Extra long narrow sepals and petals of an all over lavender or Em-



CEKA

pire rose, center stripe of Chinese coral. Sepals and petals well parted. Distinct. Large. \$2.00

GOLIATH (Old European). Very large. Sepals and petals well parted with brownish-red edge and large glowing center of fuchsine purple. Plant growth flat up to 5-inches. \$2.00

HAWAII Stl. Pointed buff-orange sepals with many light buff-orange petals having a darker stripe and orange eye overlaid with rose. \$1.00

HERO Stl. An outstanding introduction. Classed with Pride of Paloma. Limited. \$2.00

IRISH FIREFLAME Bhm. Flame-colored red, straw-toned center stripe, hint of purple. Smooth, firm, narrow sepals and petals. Limited. \$1.50

JOHANNA ATTENHOFER Kn. Shining orange with bronze glitter. Large. 75c

JULIET Stl. Pointed petals with buff center stripe and light lavender to white edge. \$1.50

KARIN SIEPKE Kn. No. 336. Orange-yellow sepals, long slender pointed and troughed. Petals are blended carmine

and yellow with deeper carmine center. Varies in color. \$1.50

KATHIE Bhm. 1950. Pinkish-orange sepals. Petals with pinkish-orange center stripe edged in lavender. Very innermost petals banded and suffused with lavender. \$1.50

LOVE AFFAIR Cldg. Free flowering, light persimmon lightly margined in violet—narrow petals. \$1.00

MEDITATION FOB. Pastel shades of orange and lavender well blended. Semi-pointed broad frilled petals. \$2.00

MELROSE Mon. Slender tan sepals; broad beige-rose petals with lavender to silver edge. \$1.00

MERRY WIDOW Stl. Flesh-tan outer petals. Rosy tan inner petals overlaid with brilliant cerise lilac. Symmetrical flower. \$1.50

MOTHER OF MINE Bhm. Medium-sized many petaled one-toned Rose Bengal. Forward opening. A strong color with warmth and depth. Short ovary-tube. \$2.00

NAVAJO Stl. Broad blunt dark orange sepals with much shorter inner petals bordered in purple. \$1.00

NELLIE RWP. Delft rose with nearly white center. Large—open ball. 75c

NIGHTINGALE Mon. One-toned rose-red, sometimes variable. Overlapping trumpet. Large. 75c

ORACLE FOB. Narrow dark red sepals. Well arranged broad inner petals of dark red with wide edge of peony purple—a few of the innermost all purple. Heavy short plant growth. Prof. Ebert x nat. \$2.00

PERLEBERG Bhm. Very difficult to describe. The many narrow sepals and petals have tan-pink tips becoming lavender in the center to almost white throat. \$1.50

PFAU. Very large chamois-pink varying to all lavender at times. Very dark bud. 75c

RICHARD DIENER Mon. Crepy petals, deep apricot edge, cerise ring in center. Sepals orange, violet tinged. \$1.00



PEACOCKI

ROMANY Stl. Dusky rose pink with buff; large lavender-rose eye. \$1.50

ROMEO Stl. Pointed petals and dark rose to light lavender edge. Self-colored stamens. \$1.50

ROSE ANNA RWP. Blend of rose opal and Solferino purple. Typical Rosetta opening but much larger. Large. \$1.50

ROYAL ROBE Cldg. Extremely large, very few broad sepals and petals heavily ruffled or crimped. Sepals cherry-purple lilac over pink with definite white star eye. \$2.00

ROYAL ROSE Mon. Rose-buff with a base of deep lilac blending to a silvery edge. Broad petals, slender narrow sepals. Unusual coloring. \$1.00

SAMITE Mon. Extra fine. Coral center stripe shading to deeper coral on edges. Opens flat, full broad petals, wavy edges; long slender back petals are deep coral. All petals curve gracefully. 75c

SINALOA Sh. Orange-red with magenta eye. Sepals and petals very broad, rounded, slightly spooned. Large. \$1.00

SUSAN MARIE Bhm. Very few broad nearly blunt petals of begonia pink veined with coral pink, lighter at the throat. Large open ball shape. \$2.00

TAHOE Stl. Outstanding in shape and color, inner petals numerous and quite short in shades of Roseine purple; outer petals deep old rose. \$1.50

50c each

Cleopatra—dusky tannish-rose.

Frau Hanne Lohse—multi-colored.

Inner Glow—salmon-red, variable.

Latona—suffused old rose.

Loebneri—Roseine purple.

Mimi—small, red-violet.

Sacuntala—orange-buff.

Symphony—blended.

GROUP VIII—PURPLES and ORCHIDS—all tones from light to dark

ANTON GUNTHER Kn. Several shades of purple—a color designated as carmine by Knebel. Very lovely. \$1.50

AUGUSTA VON SZOMBATHY Kn. Red-orange sepals with pale silver-lavender petals. Free flowering. Medium. 75c

BAMBI Mon. Nearly all purple large Deutsche Kaiserin, exquisitely formed. Basket. \$1.00

BIZERTE Cldg. Large deep purple, edged lighter. Huge narrow petaled flower with lavender-white inner petals and violet outer petals. Sepals bronze-violet. Very spectacular. \$2.00

BLACKAMORE RWP. A heavy textured flower of dark peony purple with extra broad slightly cupped petals backed with cardinal red sepals forming a forward open ball—one of the best of the dark purple flowers. \$2.00

CARLOTTA FOB. All over light purple with white blister on some inner petals. Forward wide open. All petals broad,

rounded and needle tipped, crinkled and semi-folded. Medium size. \$2.00

CHAUNCEY Std. Very large dark purple heavy textured flower, broad ruffled petals with light edge backed with very broad red sepals. Fine. \$2.00

CONCORD Stl. Very few broad sepals and petals, overall Concord grape color, fading to a light edge. Limited. \$1.50

DAWN'S EARLY LIGHT FOB. Very full compact flower, dark red with much purple overcast but light throat. Inner petals shorter than sepals, some petals folded back. Wide open but not flat. Large. \$2.00

DR. WERDERMANN Kn. A strong bold flower, all petals forward but well open, a rich Roseine purple. Orange center stripe and a light orchid edge. \$1.00

ELEONORA PROCHASKA Kn. Narrow sepals and petals, purple to white edge with red sepals. Large. 75c

ELKHART Bhm. Rich plum with light orchid edge. Wide open cup. Broad blunt sepals and petals. Very fine. \$2.00

FRAU H. M. WEGENER Kn. Red-orange sepals to very delicate fuchsia pink petals, lighter in throat. Large. 75c

GERTRUDE W. BEAHM Kn. Wide ruffled inner petals of Rhodamine purple intensified by richly colored pistil and stamens. \$1.50

HARMONY Stl. Exquisite orchid colorings which deepen with age to one tone. Tapering pointed petals standing well apart. Jewel-like effect. Water lily shape. Really distinct. \$1.50

JORG SIEPKE Kn. Outer sepals deep lilac-lavender with shorter light Persian rose petals. Large. 75c

JOSEPH DE LAET. The old favorite "Tri-toned Orchid." Dark orchid sepals blending to white petals. 50c

JOY FOREVER FOB. A one-toned rose purple of good texture, wide open but not flat. Petals and sepals rounded to a point, narrow throat. \$2.00

JUNGLE NIGHT FOB. Medium-large dusky violet with slight crimson cast. Sepals narrow, recurving, of deep maroon.

Inner petals very wide and ruffled. Well branched 3-angled plant growth. Prof. Ebert x nat. \$2.00

LILACTIME Mon. Fascinating slender buds with extremely long needle tips. One-toned blue-lilac flower delicately ruffled. Extremely late. \$1.00



THORINNE

LITTLE SISTER FOB. One toned rose purple lighter than Prof. Ebert. Medium size—free flowering—good basket. Flat foliage. \$1.50

LOVING CUP FOB. Very large flower, inner petals all purple, very wide, crinkled, rounded and ruffled. Very outer sepals are deep red but all the rest have wide purple edge. \$2.00

LUCILE K. IRWIN Kn. Rich red and purple, cup and saucer. Large. \$1.00

LUXURY RWP. A radiant flower of Rhodamine purple shading to a white edge backed by broad Currant red sepals. A rich vibrant flower. \$2.00

MINNEHAHA Bhm. Dark red with center all fuchsia purple. Broad pointed



PFAU



MONTEZUMA

sepals and petals. Wide open but not flat. \$2.00

MINUET Stl. Very narrow sepals and petals forming a graceful airy flower of varying tones of Roseine purple. Limited. \$2.00

ORCHID SUPREME Stl. Extremely wide crimped blunt petals shading from deep orchid to very light center. Large. Exquisite. \$1.00

PARADISE Stl. Wide opening, almost flat. Recurved old rose sepals. Petals lavender-orchid with faintly darker center stripe. All delicate pastel tones deepening with age. \$2.00

PRIDE OF BELL. Three shades of rose-orchid, transparent edges. Sepals recurved. Petals fold way back leaving stamens erect. Limited. \$2.00

PROF. EBERT Kn. Almost one-toned fuchsia purple with numerous sepals and petals. Strong grower. Large. 75c

RAVEN FOB. Shining flower, lavender

to purple over dark red. Few petals with pointed sepals and rounded petals. Large. \$2.00

SHERMAN E. BEAHM Kn. (Re-named by Curt Knebel). Giant flower with dark carmine colored outer petals and a wreath of lilac-carmine-red inner petals with lighter edge. \$1.50

SWEET SORROW FOB. All purple cup and saucer. Rounded tipped narrow sepals stand away. Inner petals are of medium width with rounded tips. \$1.50

TRANSVAAL Stl. Flesh-pink completely overlaid with Roseine purple deepening at throat. Flat open, long slender smooth pointed sepals and petals. Limited. \$2.00

TRIUMPH DE ENTWERD. Numerous sepals and petals, deep red outer. Inner deep red stripe with wide purple edge giving an impression of over-all purple. Smooth rounded petals. Large. 75c

UNCLE SAM Stl. Distinct striped effect. Brownish-orange through purple to orchid-white edge. Broad inner petals; long narrow striped sepals. Very wide open. \$2.00

VALSE BRILLIANTE FOB. Vibrant dark purple petaled flower with sepals a blend of purple and dark red. Flower wide open with short ovary-tube. Smooth semi-pointed sepals and petals. Jorg Siepke x nat. \$2.00

WHIRLAWAY Bhm. Airy flower with a trumpet of ruffled petals in three shades of orchid. Narrow sepals gracefully curl back. This flower has the coloration of Joseph de Laet but the style of Jules Schlumberger. Basket. \$2.00

WILL ROGERS CP. Bright purple with dark red, cup and saucer. Large. \$1.00

WONDERLAND Stl. White center blending towards deep colored Rhodamine purple tips. Extraordinary. Very limited. \$3.00

*Plants marked in this manner have never before been offered in a commercial way and are mainly introductions by Fort & O'Barr of the Country Garden. These are some of their very best hybrids and we believe in a few years will become general favorites.

The following is a list of Fort & O'Barr varieties which will be released as soon as they have, in our judgment, once more proved that they are worthy of a place in our list of plants.

Beau Brummel	Princess Betty
Best Regards	Princess Emma
David	Princess Louise
Dark Moon	Princess Margie
Don Blanding	Princess Olga
Dowry	Prophecy
Enoch Arden	Pygmy
Ensenada	Red Chief
Escapade	Red Eagle
Fire Pearl	Red Ripples
Gino	Sonnet
Kon Tiki	Song at Twilight
Lark Ellen	Star of Hope
Native Dancer	Target
Nocturne	Tu Tu
Old Vintage	Vivette
Paolo	Wild Acclaim
Portia	Work of Art

* * *

We have dropped from this list of epiphyllums many varieties in order to allow room to give newer ones. We feel our old customers are searching for something to add to their collections and as years go by will want newer epiphyllum hybrids and there seems to be no end to the future possibilities.

CULTURE OF EPIPHYLLUMS

Remember their culture is simple but entirely distinct from that of the desert cacti. Lack of this knowledge may have caused many failures in the past by those who tried to treat them as ordinary cactus. Epiphyllums prefer filtered light, that is, conditions suitable for ordinary ferns or begonias but must NOT have excessive moisture at their roots. They can withstand cold a degree or two below freezing.

There are many SOIL FORMULAS—all may be good but they must have a few things in common. For one thing, excess water should drain away fairly rapidly leaving the roots to grow in only a moist mixture. Remember the epiphyllum hybrids receive part of their inheritance from an epiphytic type of cactus which lives in trees with roots having free access to

moist air so they should not be smothered in a compact soil.

A good POTTING SOIL formula is composed of: One-half well decomposed leafmold with the other half made up of equal parts of coarse gravel, garden loam and well rotted steer manure with a small amount of bone meal (about the equivalent of a teaspoonful for each four-inch pot). This mixture can be made up and kept ready for use.

Oak-leafmold, partially decomposed, is excellent but so is the humus you often make in your compost heap from leaves, grass trimmings and other vegetation. Such material should never be finely screened. The roots are capable of selecting their own food from coarse material. Our experience is to avoid, in the mixture, all materials or fertilizers with a very high nitrogen content such as blood-meal. There are many milder items to use in your potting-mix such as slow acting bone-meal, well cured steer manure, sheep or rabbit manure. Chicken manure is far too rich in nitrogen unless it has been composted down with other materials.

BROKEN BITS of clay pots or porous bricks—sponge rock—and crushed rock help to aerate the potting mix.

When you receive ROOTED CUTTINGS plant them in SLIGHTLY MOIST potting soil then withhold water for a week. This applies whenever roots have been disturbed as some roots may have become broken and might start to rot if watered too soon.

When potting allow an inch or more room between the soil line and the top of the container. This will permit the addition of a little fresh potting mixture or light fertilizer each year without having to repot thus not disturbing the roots nor yet getting the pot too full to permit proper watering.

UNROOTED CUTTINGS should be planted to the depth of one inch or more in SLIGHTLY moist peat and sand, half and half. Keep in a shady place in a moist atmosphere, if possible. Start light watering after the third week. The cuttings may remain for as long as a year in the peat and sand without injury. But, in any case, don't disturb for the first six months. They do not require excessive root feeding.

Avoid repotting while plants are in bud.

EPIPHYLLUM HYBRIDS (Phyllocactus) fill a definite need in all plant collections. Many make wonderful hanging baskets, others can be trained in an espalier effect, while still others are best as simple pot plants.

RAISING EPIPHYLLUMS FROM SEED

Raising epiphyllums from seed can be a fascinating hobby but only if you have plenty of room and patience to wait 3 to 6 years for first flowers.

Use a container 3 inches or more deep with plenty of holes for drainage. Use a good grade of potting soil as found on page 21; the top 1/2 inch should be finely screened. There should be a space of at least 1 1/2 inches from the soil line to top of the container (seed-pan or flat). Soil should be quite moist when planting seed and never allowed to become dry. Sprinkle seed on top of soil and cover with clean sand just enough to hide the seed or about 1/16 of an inch. Place piece of glass over container to prevent drying out. Lift glass every few days so fresh air may enter. Keep in a warm place but protect against direct rays of the sun.

At first the baby growth may be quite spiny later becoming flat or 3-angled. Seedlings may be transplanted to regular potting soil when they are large enough to handle or the glass may be removed and baby plants left right in the seed-flat until quite large, allowing the rest of the seed to develop at will under the protection of the older seedlings. Never allow the soil to become bone dry. It is useless to expect flowers in less than three years—it usually takes longer. Each seedling flower will have its own charm, seldom being like the parent.

Seeds germinate most irregularly, some starting at three weeks, some taking a year or over. Germination does not have to depend on the age of the seed. It takes only a single drying out of the seed bed to ruin seeds just cracking open and will prolong the starting of the seed not yet germinated.

DON'T

DON'T repot epiphyllums when they are in bud or bloom.

DON'T sift potting soil for epiphyllums—leave it so coarse it can never pack.

DON'T water until one week has elapsed after transplanting.

DON'T allow your epiphyllums to remain bone dry for months at a time during hot weather—at least spray the foliage.

DON'T allow them to stay SOAKING wet for days at a time.

DON'T neglect to use rain water whenever available. A rain storm will help to leach out excess alkalies from the soil.

DON'T force your plants with fertilizers too high in nitrogen. It tends to produce growth instead of flowers and sometimes causes spotting on foliage. Let the growth come naturally.

DON'T imagine that a rank-growing luscious plant must necessarily produce superior flowers.

DON'T use too large a container. Epiphyllums do not have as heavy a root system as most plants, they obtain much of their food and water from the air.

DON'T try to discourage new growth in the (early) fall—it is their normal growing season.

DON'T worry about frost damage if temperature stays above 35 degrees except on species such as *E. oxypetalum* and *E. strictum*.

DON'T disbud—the benefits obtained are not worth it.

DON'T worry when some of the quarter-grown buds drop off—nature will permit only enough buds to mature that the plant can support.

DON'T think that allowing the fruit to develop on a plant, in moderate quantity, will kill it.

DON'T imagine that soaking a plant which has become leathery or wrinkled is the proper thing to do. It probably needs to be transplanted and placed in a cool spot for some months with only the slightest spraying through the foliage. You may find that most of the roots have rotted off earlier and it will take time for the plant to develop new ones.

DON'T allow aphids, scale or mealybug to sap the vitality of your buds and plants.

DON'T neglect your epiphyllums when not in bloom. They can stand some neglect but they appreciate attention and will reward you when they are kept nicely groomed.

DON'T forget to see that hanging baskets get sufficient water.

DON'T remove more than 1/5 of the growth of an epiphyllum plant at one time or 1/4 of the plant during the year.

DON'T experiment on your plants until after you have raised epiphyllums awhile.

DON'T forget to read the instructions on the labels of insecticides and fertilizers before using as not all fertilizers are suitable for epiphyllums.

NIGHT BLOOMING CACTUS

There are many hundreds of forms of NIGHT BLOOMING CACTUS from the rugged desert types to those which can be found among the epiphyllums. Any of these might be called by the public "NIGHT-BLOOMING CEREUS." A notable example is the so-called "Queen of the Night" which might be *Peniocereus greggi*, *Selenicereus macdonaldiae* or *Epiphyllum oxypetalum*.

Among the sturdier varieties of night-bloomers are the following most of which are climbers: *Selenicereus*; *Hylocereus*; *Harrisia*; *Nyctocereus*; *Eriocereus*.

We can supply unrooted cuttings of the following at 50c each. *Hylocereus undatus*; *Hylocamponis*; *Selenicereus macdonaldiae*; *Selenicerostratus*; *Eriocereus bonplandi*; *Eriocereus guelichii*; *Nyctocereus nycticalus*; *Nyctocereus serpentinus*; *Harrisia tortuosa*; *Harrisia martinii*; *Harrisia pomanensis*.

Among the NIGHT-BLOOMING varieties of epiphyllums are: *E. oxypetalum*; *E. guatemalense*; *E. strictum*; *E. anguliger*; *E. darrahii*; *E. stenopetalum*. Most of these and others will be found listed and priced in Group I.

ZYGOCACTUS

(Link-leaf or Crab)

The term "ZYGO" is from the Greek word meaning yoke. This genus is a native of South America. Most forms branch well from the base, some becoming bushy with a woody trunk, others arch outward with a distinct chain effect giving rise to the name of Link-leaf or Yoke-cactus. Many links are obovate (egg-shaped with narrow end downward) with horns at the blunt apex which gives rise to the terms Claw-cactus or Crab-cactus.

This form of cactus may still be found under the name of EPIPHYLLUM in Europe and in many older publications and likewise our present day EPIPHYLLUM HYBRIDS will be listed as PHYLLOCACTUS. These are the terms by which they were called from the early 1800's until changed fairly recently—the term ZYGOCACTUS came into general use just before the turn of the century.

Approximately 75 forms of Link-leaf cactus have been mentioned in publications during the past century but none in detail. Apparently only a very few of these are SPECIES ("wild forms" such as *Zygocactus truncatus*, *Schlumbergera Gaertneri*, etc.), which are found in the Western Hemisphere. Many of these have now been lost, possibly some may still be found in private collections but if so with little or no data concerning their history or any assurance that the label is correct.

We are checking all of these that we can find. We have quite a number of varieties under observation at present but not all will prove enough different in growth or flower to merit the consideration of the general public. As fast as we can secure sufficient propagation of a variety and its identity is established, we will release it to our customers.

In the true ZYGOCACTUS SPECIES (not necessarily in its hybrids) the flowers have a distinct shape from most other epiphytic cactus. Before opening, the bud is pointed forward. On opening, the uppermost petals are overlapped



ZYGOCACTUS DELICATUM

and tipped forward in a hood or roof effect with the stamens and anthers clinging to the top; the lower petals are spreading and bent back against the tube. In general, the effect is that of an upside-down flower. They are ZYGOMORPHIC—that is, divisible into two symmetrical halves from one direction only. They may be found in a number of colors including the so-called white (very, very faint glow of pink after the first day). They are excellent corsage material. The beautiful flowers are borne at the apex of the stems and are solitary, rarely two or three. The ovary is smooth and pear-shaped and scaleless except in some recent hybrids.

Varieties of ZYGOCACTUS TRUNCATUS
now available

- AMELIA MANDA—crimson. \$1.25
 BICOLOR (Thanksgiving). Tube is white with slight purple lines. Petal edges and tips deep rose. Flowering October to November. Plant links have 2 or 3 claws at apex. Rooted cuttings 75c
 DELICATUM Limited. Flower white with glow of pink on petal edges after the first day—magenta pistil. Plant leaves small and slender with well placed horns on apex. Small rooted cuttings \$2.00
 GERTRUDE W. BEAHM—large red. \$2.00
 LLEWELLYN—orange. \$1.25
 MME. FOURNIER. Plant growth broad with large hooks on the edge and at the apex. Flowers slightly larger than Salomoneum and deeper in color—more of a rose shade. When available rooted cuttings are \$1.00. Grafts (limited) \$1.50
 MONS. ANDRE. Grafts (limited) \$1.50
 PARNA—pale crimson, paler throat. \$1.00
 PINK LADY—\$2.00
 PINK PERFECTION—\$2.00
 SALMONEUM. Petals are one shade of salmon pink with very little white in the tube of flower. Flowers as late as January. Rooted cuttings \$1.00
 SOUTH ORANGE—orange. \$1.25
 W. A. MANDA—large red. Grafts \$1.50

Zygocactus are available in small (3 to 6 link) sizes and will be supplied only if on hand at time order is received. No larger sizes available.

ZYGOCACTUS CULTURE

Culture is not difficult. A very porous soil that drains well and yet remains moist and loose—NOT SODDEN—is best. The Zygocactus need an airy moist atmosphere for best results. Their normal food is derived from decayed leaves and bark accumulated in the crotches of the trees, or in crevices of large rocks under the trees in which they have become established. In making an artificial duplication of this condition we use a POTTING SOIL rich in humus and leafmold. During the hottest months set the zygos aside in a cool place—water sparingly. Water oftener in the fall while buds are forming. As a special treat to these plants soak one pound of cottonseed meal in five gallons of water for 24 to 36 hours or longer. Strain well and use as a foliage spray. It need not be washed off as it is beneficial to both plant and soil. This may be used two or three times a year and has a slight acid re-action.

The Zygocactus is susceptible to scale and care should be taken to examine the undersides of the links regularly especially around the joints. At the first sign of any infestation a mild oil spray should be used. Your dealer will recommend a suitable one. Spray only on cool or cloudy days; the plants may be hosed off after 24 hours; repeat in two weeks if necessary.

When you receive a rooted Zygocactus, it should be soaked in tepid water for an hour or so on arrival, to make the roots pliable before planting. When you receive an unrooted cutting remember roots form only at the joints so be sure there is an undamaged joint just below the soil line. If you want to experiment try vitamin B1 or one of the hormones. These plants need no trellis except for grafts on tall standards. These should be supported as their tops increase in size and weight. A framework bound in moss stimulating an umbrella can be used.

Grafted Zygos are rather difficult to ship but sometimes it is impossible to obtain a plant on its own roots. If you have received a grafted one it is wise to use soil and other conditions suitable to the growth of the base or root-stock.



SCHLUMBERGERA GAERTNERI

CHRISTMAS CACTUS

The plant usually distributed under the term Christmas Cactus may flower as early as November or as late as March or even in late summer. Its true identity is still in question. It does not have a zygomorphic flower. It has small regular flowers of fuchsine-pink which have a short tube and a 4 to 5 ridged ovary with large scales. The flowers sometimes are slightly hooded the first day with the petals opening wide on the second day. The tips of plant joints are blunt, sometimes with hairs, but with no noticeable claws. The Christmas Cactus frequently loses a portion of its younger joints which are replaced by new growth while the joints which have dropped may take root at the base of the plant under certain circumstances. Priced 50c to \$1.50.

The Schlumbergera (Easter Cactus) is very similar to the Zygocactus in plant growth and culture except that the flowers are symmetrical and have narrower petals on very short flower tube. Flowers close at night but are open for several days in succession. Most of them appear at Easter time thus giving rise to the name Easter cactus. We can supply Schlumbergeras only as available.

SCHL. RUSSELLIANA (see Christmas Cactus) is thought by many to be the true Christmas Cactus flowering from December through March and differing somewhat from the Easter Cactus, Schlumbergera Gaertneri.

SCHL. GAERTNERI. Flowers of bright crimson. The plant may have long soft spines at the apex of the links. Joints are not as large as in Makoyanum. Limited. Rooted cuttings \$1.00 each.

SCHL. MAKOYANUM. Large links with 6 to 8 areoles along the side edges; soft spines are wanting or are usually not readily visible at the apex. Flowers are a cardinal shade of red. Limited. Rooted cuttings \$1.00 each.

SCHLUMBERGERA seedlings—are closely similar to parent. Rooted cuttings 75c.

RHIPSALIS

Those interested in other forms of epiphytic plants should certainly acquire a few Rhipsalis. They make graceful baskets. Cultural requirement is the same as for any Epiphyllanae. Flowers range in size from a grain of rice to about an inch. They are mostly white though there are rich creams or orange flowered sorts. They make a nice showing when in full bloom as the flowers are usually numerous.

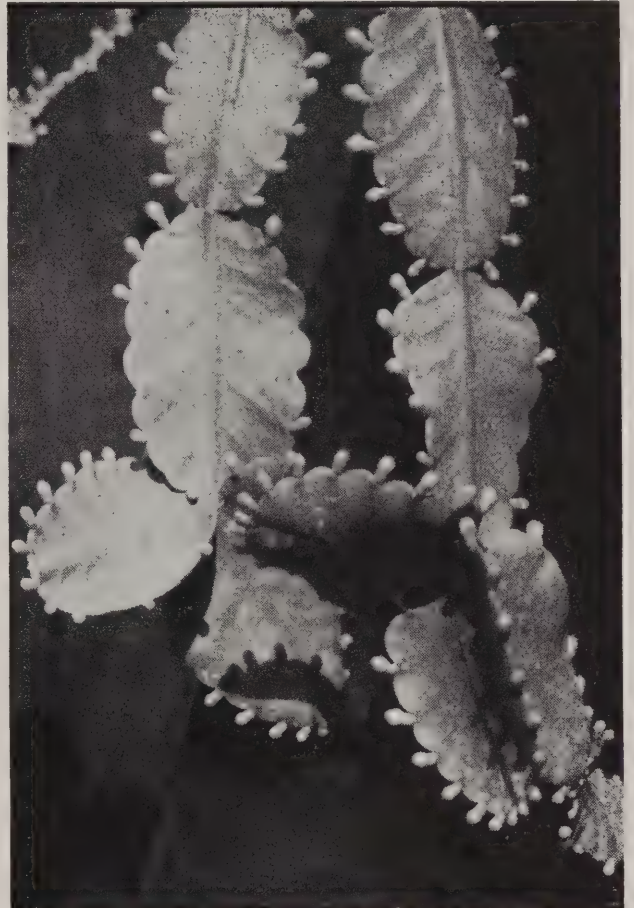
Plant growth may be fine thread-like as in Capilliformis and Cassutha or larger pencil-like branches of Neves-Armondii on through very broad wavy foliage such as Oblonga and Crispata which are similar in growth to epiphyll-

lums rarely any semblance of a spine. We have about 40 varieties in our collection. Various priced from 50c to \$1.00 unrooted.

The following range from fine pencil-like to broad flat growth and are listed in that order.

Unrooted cuttings 50c each.

Cereuscula	Grandiflora
Capilliformis	Houlletiana
Cassutha	Heteroclada
Virgata	Rhombea
Shaferi	Elliptica
Teres	Oblonga
Neves-Armondii	Crispata



RHIPSALIS PACHYPTERA

DISOCACTUS

EICHLAMII. Epiphytic plant with small slender tubular flowers of bright rosy magenta—not of easy culture. Plant branches are long, narrow and flattened. Limited. Small rooted cuttings \$1.00.

MIXED EPIPHYLLUM SEED

from our choicest hybrid varieties—
instructions included—25c per packet.

PSEUDORHIPSALIS MACRANTHA

This lovely plant has flowers many times larger than most Rhipsalis, in fact, the few-petaled flowers are about the size of Chiapasias Nelsonii. Flowers are generally light yellow sometimes very deep yellow, blooming freely in the fall and winter. Plant growth resembles many of the Epiphyllums. It makes an excellent hanging basket or pot plant. Rooted cuttings \$1.00 each.



PSEUDORHIPSALIS MACRANTHA

CHIAPASIA

CHIAPASIA NELSONII. A monotypic genus with lilac-pink flowers appearing on the lateral branches. The flowers are small though very attractive. It blooms very early in the spring. As a graceful basket plant it is greatly admired the year around. Rooted cuttings 75c.

The Chiapasias has been crossed with the Epiphyllum producing plants with small flowers of various shapes and color. We are propagating Mr. Knebel's introductions.

In our gardens each plant carries its own identification number. Our new originations are registered with the EPIPHYLLUM SOCIETY OF AMERICA. The Society issues a mimeographed Bulletin several times a year to its members. This Bulletin is devoted to all phases of the epiphytic cactus and carries reports of the Society's meetings which are held in Los Angeles County. Membership is by invi-

tation—dues are \$2.00 per year in the U. S. A. If interested in joining please write us.

Membership in the Cactus & Succulent Society of America with subscription to the Cactus & Succulent Journal is \$4.00 per year. We will be glad to place a subscription for you.

"Flower Color Detector" (chart) published by the American Horticultural Council, \$1.00 each. This chart will prove of great assistance in enabling you to describe your epiphyllums correctly.

"THE EPIPHYLLUM HANDBOOK" by Scott E. Haselton—\$4.00 postpaid. Contains 231 pages and many illustrations.

"PHYLLOCACTUS" by Curt Knebel, translated from the German, paper covers, 64 pages. Very instructive, \$1.00 postpaid.

The "Horticultural Colour Chart," issued by The British Colour Council in collaboration with The Royal Horticultural Society is published in two volumes of 100 sheets each. The first volume of 100 plates consists of a Spectrum Range of 64 Full Hues, 26 (lighter) Tints and 10 (darker) Shades of the 64 Full Hues. The second volume contains 100 plates consisting of 34 (lighter) Tints, 28 (darker) Shades and 38 Greyed Hues of the original 64 Full Hues. The British Colour Council expects to issue further volumes which will extend the range of shades and tints of the same 64 Full Hues. 2 Volume Set priced \$12.50.



APOROCACTUS FLAGELLIFORMIS



APOROCACTUS HYBRID

APOROCACTUS

Species and Hybrids

This variety is often called Rat-tail or Whip cactus. The species having from 8 to 15 ribs, finger size or slightly larger, closely spined, willowy, making a suitable subject for baskets in sunny locations. The hybrids will have narrow, flat or up to 6 to 8 angles with the same willowy or pendant habit, spines not so numerous. Soil should be well drained and same quality as for zygos, epiphyllums, etc., though it need not be so rich. They should have warmth and some sun.

Aporocactus flagelliformis—flower crimson, open several days, 8 to 10 low ribs, creeping or pendant, branching from the base. R. C. 50c

Aporocactus flagriformis—under propagation.

Aporocactus conzatti—brick-red, 8 to 10 prominent ribs. R. C. \$1.00

Aporocactus leptophis—flower color Fuchsia Pink, somewhat zygomorphic, growth pendent, 11 ribs, typical of most Rat-tails. Cuts \$1.00

Aporocactus flagelliformis var. *mallisonii*—rose-red, creeping, 6 ribs. (Giant Rat-tail.) Cuts \$1.00

Aporocactus martianus—brownish-old rose, numerous ribs set with close areoles and short spine. Spine cushions brush off easily. Cuts \$1.00

APOROCACTUS HYBRIDS

A fascinating group of new hybrids developed by Chauncey Stoddard through a series of crosses. Only unrooted cuttings of 4- to 6-inches available at present—priced \$1.00 each. Only one of a kind to a customer and then only while limited quantities last. In ordering give both name and number.

No. 4 EDNA BELLOMY—Orange-Pink sepals and petals with slight purple touches at base. Short heavy ovary and tube. Plant growth 4- to 5-angles, very slender.

No. 5 A. R. RIDEOUT—Very short ovary and tube with much longer sepals and petals of Chinese Coral. Plant growth very slender with 4- to 5-angles.

No. 25 JESSIE GILBERT—full petaled flower—Shrimp Red with gold stripe, darker sepals. Long white style. Plant growth mostly 4-angled, notched areoles with spine.

No. 35 MYNA CORBET—Gold center stripe edged in Delft Rose, full petaled. Heavy short spiny ovary-tube. Flower much larger than average. Plant growth mostly 4- to 5-angled, nearly spineless.

No. 36 C. A. STODDARD—Fire-Red with pinkish orange stripe. Very long cerise-purple style. Plant growth slender, 4- to 5-angles.

No. 402 LYDIA HARRINGTON—Azalea Pink with deep red slender style, fluted sepals and petals. Short, heavy ovary tube, spiny. Growth mostly 4-angled.

No. 403 FRANCES COMBS—Scarlet flowers with red style. Very short ovary and tube. Plant growth 4- to 5-angles, heavy knobby areoles, spine cushions easily detached.

HOYA—(WAX PLANT)

Very interesting vining house plants with glossy leaves and umbels of delicately scented small flowers. Some varieties are small shrubs. Natives of the Malay Peninsula and China.

From recent observations, it seems that the bud spikes on some varieties of HOYAS are very apt to appear on the rapidly growing new vine developing even before the leaves. These spikes or small spurs should NEVER be damaged or picked as they will continue to bear flowers in most varieties year after year. Do not allow HOYAS to dry out during rapid growth.

We have had reports of Hoyas succeeding under many conditions, if protected from freezing, however, we raise ours where the air is moist and it is warm and light—watering frequently.

For further cultural directions read "The Standard Cyclopedia of Horticulture" by L. H. Bailey under the word Hoya—available at most public libraries. In the book "Flora of the Malay Peninsula" by H. N. Ridley, Vol. II, pages 393-402, you will find numerous Hoyas listed but very few of them have been successfully raised in the United States. They belong to the Asclepiadaceae family.

HOYA CARNOSA—pale pink waxy flowers scented, leaves shining dark green on heavy vine. R. C. \$1.00

HOYA VARIEGATA—same as above except leaves banded in yellow or pink. R. C. \$1.00

HOYA EXOTICA—variegated form, as above, but with the variegation down the center of the leaf instead of on the edge. One of the showiest of vines. R. C. \$1.50

HOYA MOTOSKEI—from France, long-stalked umbels of waxy white flowers with red center. Globular fleshy leaves. Government import. Leaves similar to H. Carnosa, sometimes flecked with silver. R. C. \$1.00

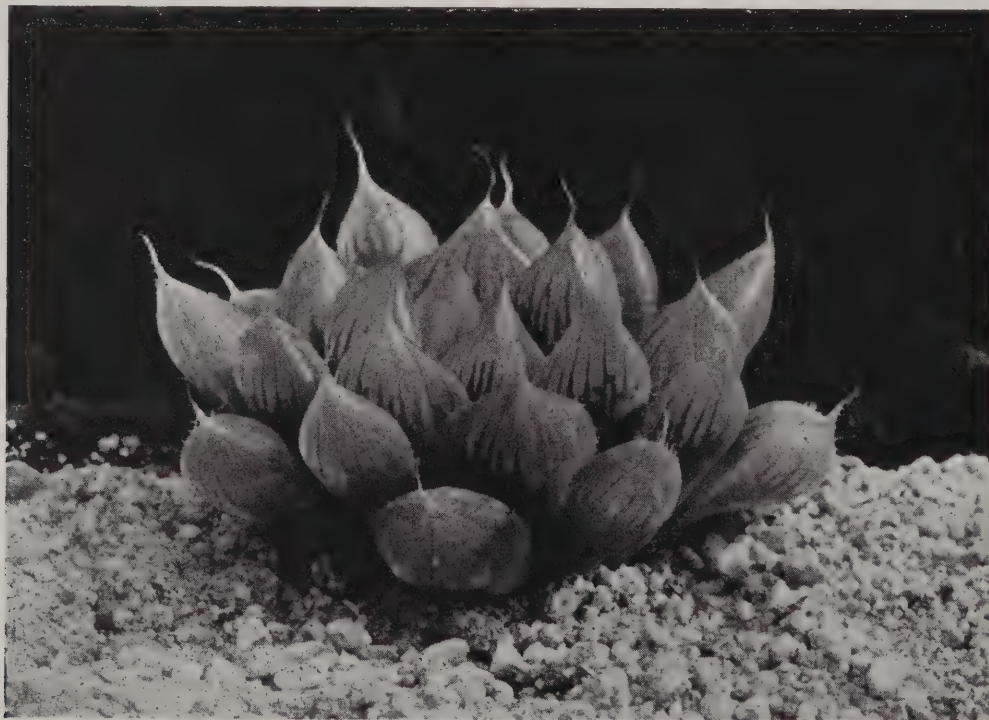
HOYA KEYSII—flowers straw-white, pointed petals with a red base. Heavy glaucous leaves felted on both sides. R. C. \$1.00

HOYA AUSTRALIS—white or straw flowers larger than in carnosa, leaves lighter green, well rounded and thick. R. C. \$1.00 opposite leaves.

HOYA BELLA—bushy dwarf plant. Leaves pointed, waxy, about 1" or less—fairly numerous on the slender stems. There is a variety sold by some dealers under the name of H. Paxtoni which seems to be nearly identical flower umbels. R. C. \$2.50

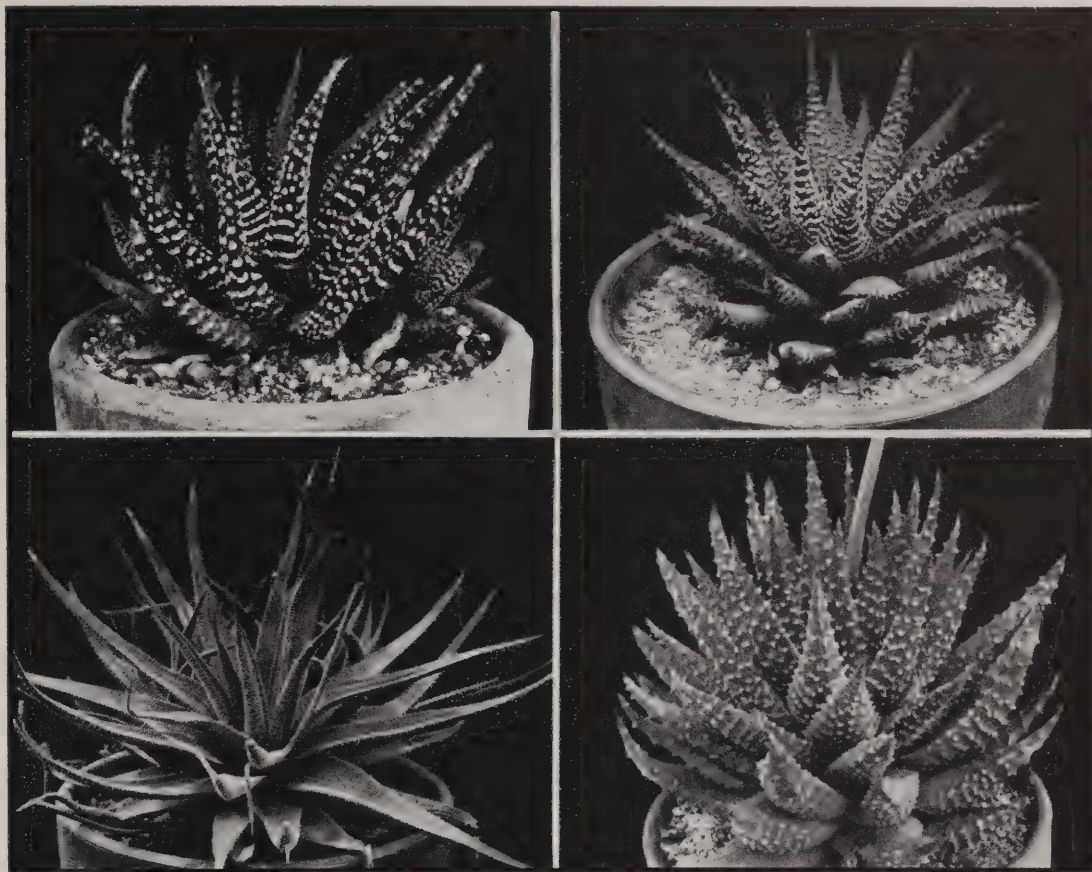
HAWORTHIAS

A group of small unique succulents from Africa interesting as small pot plants. They are in a wide range of shapes and styles from the low rosettes with long pointed leaves variously banded or marked with pearls, to other rosettes whose leaves are thick and translucent. There are erect forms whose branches are compactly covered with leaves.

**HAWORTHIA PILIFERA**

Haworthias belong to the Liliaceae family but are not treasured for their very small greenish or white flowers. They thrive well in sun even with poor soil and little water and

are variously priced from 35c to \$2.00 depending on size and variety. If interested write for mimeo list containing about 200 names.



Top left: HAWORTHIA ATTENUATA. Top right: H. MARGARITIFERA var. GRANATA. Bottom left: H. RADULA. Bottom right: H. MARGARITIFERA.

INSTRUCTIONS

Read carefully before ordering

Please PRINT full name and address plainly. California customers add customary sales tax.

Prices quoted in this catalogue are for unrooted or rooted cuttings.

Plants in containers are shipped express collect.

When ordering, send check or money-order to cover cost of plants. We do not carry charge accounts. 50c packing and postage charge on all orders of less than \$2.50.

AIR EXPRESS is very costly but quick and safe. To save on the cost of these excessive charges, UNROOTED cuts are the most ideal.

NOTE CAREFULLY: No shipments are made during extreme winter weather because of danger of damage in transit as there is no insurance against the freezing of plants.

We endeavor to have all plants correctly named. In case of error we will not be responsible for more than the original purchase price of the item ordered.

WHOLESALE: We do not give discounts to dealers from this catalogue but will quote wholesale prices to those interested.

We ship to ALL PARTS of the world.

CUTTINGS offered in GROUPS I through VII are from six to ten inches long and are usually well rooted small plants. Unrooted cuttings sent only when rooted stock is not available or when so requested by customers. There is no difference in price.

In case we are out of any item ordered, please mention several second choices otherwise we may have to make substitution for you. Any substitution will be similar to item ordered and of equal or better value. If you will give names of varieties in your collection we will endeavor to avoid duplicating them.

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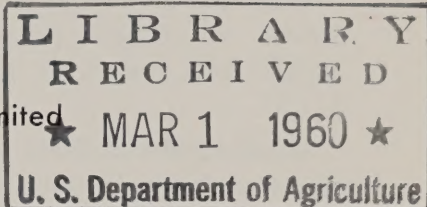
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BEAHM GARDENS

GERTRUDE W. BEAHM SHERMAN E. BEAHM
2686 EAST PALOMA ST., PASADENA 8, CALIF.

1960 Supplemental Epiphyllum List
to accompany catalogue No. 13

Prices are for cuttings usually rooted. Stock limited
and subject to withdrawal without notice



NEW INTRODUCTIONS

ALASKAN NIGHT FOB Large dark flower. Deep red velvety sepals, troughed, pointed. Inner heavy texture, velvety, wide dark purple edge, deep red mid-stripe. \$2.00

ANGEL SERENADE FOB Light pink, some frilled edge tinted with lavender, mid-stripe deeper. Sepals longer, stand away and back, deeper mid-stripe. \$1.50

ARCTIC NIGHT FOB Large heavy textured very dark purple, deep red mid-stripe. Sepals very deep red, few extended. \$1.50

ARCTIC WATERS FOB Full open cup, silky texture, narrow dark red mid-stripe with wide dark purple edge. Sepals same colors. \$1.50

BENEDICTION FOB Large delicate pink and white flower. Pink mostly in sepals. Petals almost all white few have slight touches of pink, forward open cup, crepy texture. \$2.00

BOLD VENTURE FOB Very large bold orange, wide open full cup, innermost edged in wide purple, not clear to tip, slight wave. Sepals gold color, some tinged with maroon, a little shorter than petals. \$2.50

BOUNTIFUL Bhm Very many petals about 37 arranged in 3 rows. Innermost bright dark purple fading to lighter edge. Sepals, wide purple edge with red stripe. Reddish stamens circle completely, adding much beauty to the flower. \$1.50

CHARMING NIGHT Bhm Large flower, very wide petals, deep purple with red tips, heavy texture. Sepals are dark red, turn back, heavy texture. \$1.50

CONCERTO FOB About 40 petals and sepals, inner wide, fluted rose-purple edge with wide off rose mid-stripe, tips folded

to a point. Outer dark red with light purple touches. \$2.00

CUTHBERT FOB Large flower, bright off pink, center forms a close fitting cup. Ruffled edge on some petals. Sepals stand away and forward, some tips turn back, all petal color. \$2.00

DARK ACCENT FOB Dark red sepals stand out and turn back, much longer than petals. Inner petals purple over dark red. Flower form is open funnel. \$1.50

DECLARATION FOB Very large deep red with lighter mid-stripe, wide open, smooth, rounded tips. \$1.50

DISCOVERY FOB This is the best of the yellows we have seen. The long, smooth, narrow yellow sepals from the many smooth, silky, light yellow petals which form an open cup. \$15.00

DOLLY MADISON FOB Very large white with frilled edge, some folded tips. Light yellow sepals longer than petals, stand out irregularly. Beautiful flower with much appeal. \$2.00

DORIAN FOB Large few petalled vibrant purple, forward open long cup, darker center stripe. \$1.50

FANCY QUEEN Bhm Medium-large, light pink petals. Outer light pink with amber, smooth, curl back and stand away. \$3.00

FIRESIDE FOB Many petalled, all bright red except purple edge on innermost which is frilled or ruffled. Long narrow sepals frame wide open flower. \$1.50

GARDEN PARTY Bhm Dark purple sepals with dark red stripe are slightly longer than petals. The many petals form a wide open cup, outer ones same colors as sepals, inner all bright rose-purple with much lighter frilled edge. \$1.50

GLAMOUR GIRL FOB Very large cream-white, full cup, tips folded. Sepals an intense buttercup yellow with slight amber on some. Stand away irregularly. \$2.00

GUARD OF HONOR FOB Very large flower all bright purple, silky, smooth. Sepals off red with plum, stand away. \$1.50

HAWAIIAN MOON FOB Large flower, blend of Begonia pink and Poppy red, full open cup, good texture. Sepals a little lighter, troughed. \$1.50

HIGH HOPES FOB A real beauty. Sepals, a blend of rose and lavender, heavy texture, stand away. Petals form wide open cup, crinkled and frilled, lavender rose to much lighter edge. \$1.50

JERSEY BEAUTY FOB Wide open, formal arrangement, silky textured pink with white mid-stripe. Sepals soft rose with touches of amber on some, stand away irregularly. \$2.00

JUNGLE MOON FOB Wide deep red sepals and petals. Innermost edged in dark purple, slight ruffle. \$1.50

LOTUS QUEEN Bhm For those who enjoy something out of the ordinary. Many long narrow off-pink sepals over an inch longer than the many rose pink petals. Full open cup, round tips, smooth. \$2.00

LOVELIGHT FOB Wide rounded, overlapping crinkled petals of bright purple. Sepals longer and narrower, plum-red. \$1.50

MOLOCH FOB Very large orange with slight dull purple at throat. Sepals pointed, stand away, smooth petals have folded tips. \$1.50

MY DAY FOB Large shell pink blended with peach. Sepals lighter. Inner petals much deeper with a frilled fuchsia pink edge near throat. \$2.00

PACEMAKER Bhm Wide open well spaced orange with red stripe and wide frilled purple edge. Sepals dark red with orange mid-stripe, tips curl back, stand away. \$2.00

PRIDE AND JOY FOB Large, dark red and purple. Sepals stand out and away,

smooth. Petals red with much dark purple, fluted edge. \$2.00

RED RIPPLES FOB Large all red except wide purple edge on lower part of innermost. All wide open. Sepals stand out and back, slight trough, lighter mid-stripe. \$1.50

REFLECTION FOB Large, many petals, inner all light rose purple, open forward cup. Sepals darker but bright pink purple. \$1.50

ROYAL BEAUTY FOB Very wide sepals and petals. Forward open cup. Sepals all red, round tips, many blistered. Petals dark red, very crinkled with wide border of dark purple. \$2.00

ROYAL MELODY FOB Very large flower. Silky petals with wide frilled dark purple edge, dark red mid-stripe. Sepals dark red, longer than petals. \$1.50

RUSSELL A. REDLER FOB Large flower, petals very wide and overlapping, dominantly bronze with lighter veinings. Outer, open wide deep orange, inner close together in bowl formation. \$1.50

SAMOA FOB Large, many petals, red sepals shorter. Inner purple with narrow red mid-stripe, pointed, velvety texture. \$1.50

SISTER JULIA FOB Petals form forward trumpet, all light purple, slight frilled edge. Purple sepals slightly longer, stand away, all troughed and pointed. \$1.50

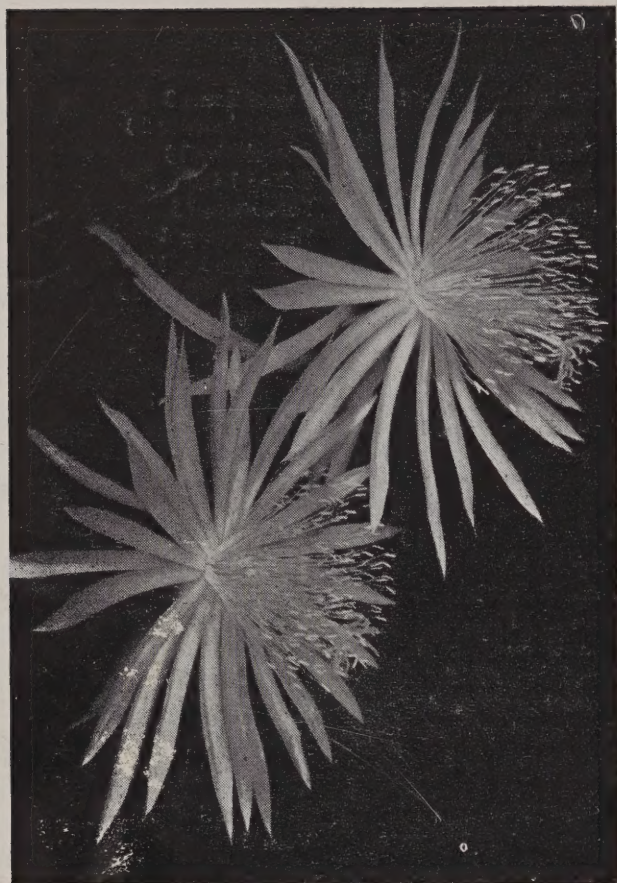
TONGA Bhm Medium-large orange, inner with wide border of fuchsia pink, somewhat crinkled. Stamens circle, light orange, add much to beauty of flower. \$1.50

UTOPIA FOB One-toned light violet pink, petals wavy or fluted edges, somewhat blistered. Sepals slightly longer, tips turn in, stand away and back. \$2.00

VELVET LADY Bhm Slightly longer dark red sepals frame the dark purple petals, some with frilled edge. Pointed sepal tips, well rounded petal tips. Wide open. \$2.00

WILD ACCLAIM FOB Large reddish-orange, open full cup, silky texture, inner frilled purple edge. Sepals stand away. \$1.50

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